Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 09/402,294

Filing Date October 1, 1999

First Named Inventor James Edwin Hailey

Art Unit 2623

Examiner Name Hunter B. Lonsberry

Attorney Docket Number RCA 88752

AUG 27 200

Sheet

			U.S. PATENT	DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initials *	Cite No. ¹	Number - Kind Code ² (if known)	MM-DD-YYYY	GREE DOCUMENT	Passages or Relevant Figures Appear
R		US-5544161	08/06/96	J. A. Bigham et al.	
		US-	,		
		US-			
	I	US-			
		US-	•		
		US-			

		FOREIGN PA	TENT DOCU	MENTS		
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T ⁶
HE		JP 06-208500	07-26-94	Matsushita		X
		JP 07-288606 (corresponds to US 5,570,295)	10-31-95	AT&T		
		JP-09-162818	06-20-97	Sony		Х
		JP 2000-504134	08-07-97	Award Software		х
		JP 10-051751 (corresponds to US 6,430,743)	02-20-98	Sony		
T		JP 11-510978	09-21-99	Award Software		×
		JP 10-032801 (corresponds to US 6,778,559;U.S 6,788,709;U.S 6,891,859)	02-03-98	Infuoshitei KK		
		JP 10-174007 (corresponds to US 6,285,407)	06-26-98	Toshiba		
		JP 10-126354	05-15-98	KDD Co Ltd		х

Examiner Signature	701	Date Considered	11/9/07

*EXAMINER: Initial if Teference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Şu	ubstitute	for form 1449A/PT	0	·		Complete if Known	
	INFORMATION DISCLOSURE				Application Number	09/402,294	
. 11	NFO	RMATION	DIS	CLOSURE	Filing Date	October 1, 1999	******
S	TAT	TEMENT B	YA	PPLICANT	First Named Inventor	James Edwin Hailey	
				•	Art Unit	2623	
		(Use as many sh	eets as	necessary)	Examiner Name	Hunter B. Lonsberry	
Sh	neet	2	of	4	Attorney Docket Number	RCA 88,752	

			U.S. PATENT	OCUMENTS	
Examiner Initials *	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
	Cite No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Bocument	Passages or Relevant Figures Appear
		US-			
	}	US-			
		US-			
	:	US-			
		US-			,
		US-			
<u> </u>	1	US-			

		FOREIGN PA	TENT DOCU	MENTS		
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁸ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	7⁰
R		JP 10-145687	05-29-98	Sony		Х
1		JP 10-164529	06-19-98	Sanyo		×
		JP Hei 09-539265 (Hei 11- 510978)	09-21-99	Award Software International		Х
		JP Hei 09-009160	01-10-97	Sony		Х
		JP Hei 08-046950 (US 5448568 & 5548532)	02/16/96	Thomson Consumer Electronics		
		JP Hei 09-065300	03/07/97	Toshiba Corp.		Х
	ļ					
	Ī.,					

Examiner Signature	Date Considered	11/9/07	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b(08-03)

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

	Substitute	for form 144	9B/PTO		Complete if Known			
	INFORMATION DISCLOSURE			OL COURT	Application Number	09/402,294		
					Filing Date	October 1, 1999		
4	STATEMENT BY APPLICANT				First Named Inventor	James Edwin Hailey		
					Art Unit	2623		
1	(Use as many sheets as necessary)				Examiner Name	Hunter B. Lonsberry		
	Sheet	3	of	4	Attorney Docket Number	RCA 88,752		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
H		KIKUCHI TAKAHIRO: "What is Data Broadcast Using Terrestrial Waves?", Nikkei Communications, Nikkei Business Publications, Inc., No. 216, pp. 96-97, February 19, 1996	×
		ISHII TOMOAKI: "Personal Computer and TV Integrated by the Internet - A Myriad of New Services for Multimedia Age", Nikkei Personal Computing, Nikkei Business Publications, Inc., No. 261, pp. 218-223, March 25, 1996	x
		KAMADA TOMIKU: "Period When Over One Hundred Million People All Networked! The Internet Will be Accessible Without PC: Emergence of Internet Applicances and Key Technology - TCP/IP for Internet Applicances Change Appliances into Terminal Devices, Computer & Network LAN, Ohmsha, Ltd., Vol. 14, No. 4, pp. 86-92, March 28, 1996	×
		"Joining Television and the Internet Using JAVA", Internet Week, Phillips Business Information, Inc., Vol. 2, No. 14, April 1, 1998	
1		ARAKAWA TORU, KAMATA TOMIHISA: "The Internet Home Electronics and the Information Network Revolution", IEICE Technical Report, The Institute of Electronics, Information and Communication Engineers (IEICE), Vol. 96, No. 70, pp. 1-6, May 23, 1996	x
		MATSUBARA ATSUSHI: "Informatization of Home by the Internet Will Begin", Nikkei Byte, Nikkei Business Publications, Inc., No. 157, pp. 140-143, October 21, 1996	×
		MATSUBARA ATSUSHI: "Dedicated Network Environment Will Be at Home", Nikkei Byte, Nikkei Business Publications, Inc., No. 157, pp. 144-153, October 21, 1996	×
		MATSUBARA ATSUSHI: "A Variety of Services to be Launched with the Start of Digital Broadcasting", Nikkei Byte, Nikkei Business Publications, Inc., No. 157, pp. 154-161, October 21, 1996	×
		MIWA YOSHIHISA: "Development of Dedicated Contents Essential for Dissemination of Internet Appliances", Nikkel Byte, Nikkel Business Publications, Inc., No. 159, pp. 216-225, November 22, 1996	x
		GOTO HOROSHIGE: "5th NC Shock! Network Computer Shock", ASCII, ASCII Corporation, Vol. 20, No. 12, pp. 454-459, December 1, 1996	×
		GOTO HOROSHIGE: "Comprehensive Coverage on the Latest Move of Microsoft, Sun, and Oracle - Forefront of the Second Stage of Network Computing", DOS/V Power Report, Impress Japan Corporation, Vol. 7, No. 1, pp. 131-142, January 1, 1997	x

Examiner Signature	Date Considered	11/401
-----------------------	--------------------	--------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant is unique citation designation number (optional).

Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0551-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

S	ubstitute fo	or form 1449B/PTO)		Complete if Known			
	NEOF	SEATION	DIO	OLOGUET	Application Number	09/402,294 .		
				CLOSURE	Filing Date	October 1, 1999		
S	STATI	EMENT B	YA	PPLICANT	First Named Inventor	James Edwin Hailey		
					Art Unit	2623		
	((Use as many she	ets as	necessary) ·	Examiner Name	Hunter B. Lonsberry		
S	heet	4	of	4	Attorney Docket Number	RCA 88752		

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2		
H		MATSUBARA ATSUSHI, "Injecting Data Into TV Broadcast Content", Nikkei Business Publications, Inc., No. 157, pp. 162-165 (October 21, 1996)			
		·			
-					
	_				

|--|

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant's unique citation designation number (optional).

Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

OLI 16 2008 B

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Stitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known				
Application Number	09/402,294			
Filing Date	October 1, 1999			
First Named Inventor	James Edwin Hailey et al.			
Art Unit	2623			
Examiner Name	Hunter B. Lonsberry			
Attorney Docket Number	RCA 88752			

U.S. PATENT DOCUMENTS						
Examiner Cite	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant	
Initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	•	Passages or Relevant Figures Appear	
1-1	AA	US-5,544,161	08-06-1996	Bigham et al.		
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-	•			
		US-				
		US-				
		US				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-	·	<u> </u>		
-		US-		<u> </u>		
		US-				

FOREIGN PATENT DOCUMENTS						
Examiner Cite Initials* No.1	Foreign Patent Document	Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T€	
	Country Code ³ - Number ⁴ - Kind Code ⁶ (<i>il known</i>)	Date MM-DD-YYYY				
	 					<u> </u>
						
						
	L.					

Examiner Signature	ME	Date Considered	11/9/9	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional), *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English tanguage Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.